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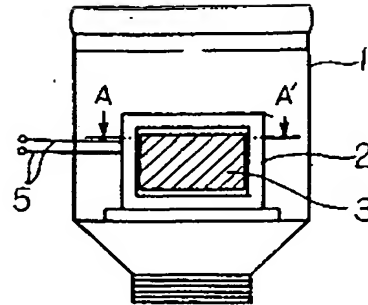
APPLICATION DATE : 23-12-85
APPLICATION NUMBER : 60289768

APPLICANT : SHIN KOBE ELECTRIC MACH CO LTD;

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TITLE : EXHAUST PLUG FOR LEAD-ACID
BATTERY



ABSTRACT : PURPOSE: To maintain the temperature of catalyst in an optimum temperature range to prevent deterioration in activity of the catalyst caused by poisoning by setting a heater having temperature self-control function by which a specified temperature is maintained in a catalyst container in which catalyst pellets are contained.

CONSTITUTION: A plate-like heater 3 having temperature self-control function by which the temperature is maintained at 50–200°C is mounted in the inner surroundings of a catalyst container 2 of an exhaust plug 1 for lead-acid battery. Pellet-like noble metal catalysts are filled in the container. The temperature of catalyst is kept higher than 50–100°C at which poisoning on the Pt and Pd of the catalyst is removed and lower than 200°C which is safe from ignition of hydrogen gas inside the exhaust plug 1. Therefore, without control from the outside, the catalyst is maintained in the optimum temperature range, poisoning is reduced, hydrogen gas evolved inside the battery is reacted with oxygen to return to water, and the life of catalyst is remarkably increased.

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